

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A graft polyol having a bimodal particle size distribution and a total solids content of from 5 to 65% by weight, containing comprising

small particles having a particle diameter of from 0.05 to 0.7  $\mu\text{m}$  and

large particles having a particle diameter of 0.4 to 5.0  $\mu\text{m}$ ,

wherein the graft polyol has a bimodal particle size distribution,

the peaks of the large and small particles measured by the Fraunhofer diffraction method in combination with polarization intensity differential scattering do not overlap,

overlapping, and

the graft polyol has a total solids content of from 5 to 65% by weight

[[a]] wherein the total content of the solids ~~having the defined particle sizes consisting~~ consists of a volume fraction of from 5 to 45% of the small particles and a volume fraction of from 95 to 55% of the large particles, wherein the these volume fractions of the small and large particles sum up summing to 100%.

Claim 2 (Currently Amended): A ~~The~~ graft polyol as claimed in claim 1, ~~which contains small particles, which are characterized by a~~ wherein the peak which of the small particles, measured by the Fraunhofer diffraction method in combination with polarization intensity differential scattering, begins in a range of from 0.05 to 0.08  $\mu\text{m}$  and ends in a range of from 0.4 to 0.7  $\mu\text{m}$  and the peak of the large particles, measured by the Fraunhofer diffraction method in combination with polarization intensity differential scattering, which are characterized by a peak which begins in a range of from 0.4 to 1.0  $\mu\text{m}$  and ends in a range of from 1.2 to 5.0  $\mu\text{m}$ , ~~measured in each case by the Fraunhofer diffraction method in combination with polarization intensity differential scattering, the measured peaks not~~

overlapping.

Claim 3 (Currently Amended): A The graft polyol as claimed in ~~claim 1 or 2, which~~ claim 1, wherein said graft polyol has a viscosity at 25°C which is at least 5% lower than the viscosity of a graft polyol having a monomodal particle size distribution and has exclusively small or large particles, ~~assuming that~~ wherein the graft polyol having a monomodal particle size distribution polyols to be compared do does not differ in solids content and in the starting materials from the graft polyol as claimed in claim 1.

Claim 4 (Currently Amended): A The graft polyol as claimed in claim 1, any of ~~claims 1 to 3,~~ wherein the small particles have a diameter of from 0.1 to 0.5 µm and the large particles have a diameter of from 0.5 to 4.0 µm.

Claim 5 (Currently Amended): A The graft polyol as claimed in claim 1, any of ~~claims 1 to 4,~~ wherein the total solids content of the graft polyol is from 10 to 50% by weight.

Claim 6 (Currently Amended): A The graft polyol as claimed in claim 1, any of ~~claims 1 to 5,~~ wherein the total content of the solids ~~having the defined particle sizes~~ consists of a volume fraction of from 10 to 40% by weight of the small particles and a volume fraction of from 90 to 60% by weight of the large particles, ~~wherein the~~ these volume fractions of the small and large particles sum up summing to 100%.

Claim 7 (Currently Amended): A process for the preparation of the graft polyols ~~having a bimodal particle size distribution~~ as claimed in claim 1 comprising: claim 1, wherein

mixing (i) at least one graft polyol having a monomodal particle size distribution with small particles which have a diameter of from 0.05 to 0.7  $\mu\text{m}$  and with (ii) at least one graft polyol having a monomodal particle size distribution with large particles which have a diameter of from 0.4 to 5.0  $\mu\text{m}$  ~~are mixed with one another in a ratio such that~~ to form a graft polyol having a bimodal particle size distribution wherein the total solids content of the resulting graft polyol having a bimodal particle size distribution consists of a volume fraction of from 5 to 45% of small particles and a volume fraction of from 95 to 55% of large particles, wherein the volume fractions of the small and large particles sum up summing to 100%.

Claim 8 (Currently Amended): A The process as claimed in claim 7, wherein the ~~graft polyol having a monomodal particle size distribution with small particles which is used is one~~ having have a particle diameter of from 0.1 to 0.5  $\mu\text{m}$ .

Claim 9 (Currently Amended): A The process as claimed in claim 7, claim 7 or 8, wherein the ~~graft polyol having a monomodal particle size distribution of large particles which is used is one~~ having have a particle diameter of from 0.5 to 4.0  $\mu\text{m}$

Claim 10 (Currently Amended): A The process as claimed in claim 7, any of claims 7 to 9, wherein the graft polyol having a bimodal particle size distribution has from 10 to 40% by volume of the graft polyol having a monomodal particle size distribution with small particles is used in a volume fraction of from 10 to 40% and from 90 to 60% of the graft polyol having a monomodal particle size distribution of large particles, particles is used in a volume fraction of from 90 to 60%, these wherein the volume fractions of the graft polyols having a monomodal particle size distribution with small and large particles sum up summing

to 100%.

Claim 11 (Currently Amended): A process for the preparation of a graft polyol having a bimodal particle size distribution as claimed in claim 1 in a semibatch process, wherein the initially taken reaction mixture contains in each case at least one carrier polyol, a macromer and a graft polyol having a monomodal particle size distribution, more than 3% by weight of the solids content in the resulting graft polyol consisting of the solids content of the graft polyol used in the initially taken reaction mixture and having a monomodal particle size distribution, and the ~~weight~~ amount of the macromer used in the initially taken reaction mixture is from 1 to 30% by weight, based on the total weight of the ethylenically unsaturated monomers used, ~~which is at least sufficiently large that~~ wherein the amount is sufficient to form small particles ~~are formed~~ in the further course of the reaction.

Claim 12 (Currently Amended): A process as claimed in claim 11, wherein the amount of macromer used in the initially taken reaction mixture is from 2 to 15% by weight, based on the amount of the ethylenically unsaturated monomers. ~~monomers used for the resulting graft polyol.~~

Claim 13 (Currently Amended): A process as claimed in claim 11, ~~claim 11 or 12~~, wherein the macromer is a polyol having an average molecular weight of more than 2 000 g/mol and a functionality of  $\geq 2$ , ~~which possesses~~ wherein said macromer has at least one terminal, polymerizable, ethylenically unsaturated group.

Claim 14 (Original): A process as claimed in claim 13, wherein the macromer is a polyol having an average molecular weight of more than 3 000 g/mol.

Claim 15 (Currently Amended): A polyurethane which comprises the graft polyol as claimed in claim 1. The use of a graft polyol as claimed in any of claims 1 to 6 for the preparation of polyurethanes.

Claim 16 (Currently Amended): A process for the preparation of polyurethanes comprising by

reacting (a) organic and/or modified organic polyisocyanates ~~(a)~~ with (b) graft polyols ~~(b)~~ and, ~~if required, further~~ optionally (c) additional compounds ~~(e)~~ having hydrogen atoms reactive toward isocyanates, in the presence of (d) catalysts, ~~catalysts (d), if required (e)~~ optionally water and/or other blowing agents ~~(e)~~ and, ~~if required, further~~ optionally (f) additional assistants and additives, ~~additives (f)~~,

wherein the (b) graft polyols ~~(b)~~ ~~used are those having~~ have a bimodal particle size distribution and a total solids content of from 5 to 65% by weight, ~~containing which~~ comprises small particles having a diameter of from 0.05 to 0.7  $\mu\text{m}$  and large particles having a diameter of from 0.4 to 5.0  $\mu\text{m}$ ,

the peaks of the large and small particles measured by the light scattering method do not overlap, ~~overlapping~~,

and a the total content of solids ~~having the defined particle sizes consisting~~ consists of a volume fraction of from 5 to 45% of the small particles and a volume fraction of from 95 to 55% of the large particles, ~~these~~ wherein the volume fractions of the small and large particles sum up ~~summing~~ to 100%.